

July 3, 2012



U.S. Department  
of Transportation

East Building, PHH – 30  
1200 New Jersey Avenue, Southeast  
Washington, D.C. 20590

**Pipeline and Hazardous  
Materials Safety Administration**

DOT-SP 14175  
(THIRD REVISION)

1. GRANTEE: (See individual authorization letter)
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes a 10-year retest interval for certain DOT Specification 3A and 3AA cylinders used for the transportation in commerce of certain Division 2.1 and Division 2.2 gases in bundles of up to 24 cylinders. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
  - b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce.
  - c. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 180.209(b)(1)(iii) in that cylinders are not required to be removed from bundles and hammer tested prior to each refill; and § 180.209(b)(1)(iv) in that ultrasonic examination is authorized in lieu of hydrostatic testing and visual inspection.
5. BASIS: This special permit is based on the Pipeline and Hazardous Materials Safety Administration's (PHMSA) editorial review initiated on February 11, 2009 submitted under § 107.121 and the application for modification dated December 20, 2011 submitted in accordance with § 107.105 and the public proceeding therein.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

<b>Hazardous Materials Description</b>			
<b>Proper Shipping Name</b>	<b>Hazard Class/ Division</b>	<b>Identification Number</b>	<b>Packing Group</b>
Air, Compressed	2.2	UN1002	N/A
Argon, Compressed	2.2	UN1006	N/A
Helium, compressed	2.2	UN1046	N/A
Oxygen, Compressed	2.2	UN1072	N/A
Nitrogen, Compressed	2.2	UN1066	N/A
Compressed gas, n.o.s. (mixture of hydrogen, argon, helium, oxygen, and/or nitrogen) <sup>1</sup>	2.2	UN1956	N/A
Compressed gas, n.o.s. (mixture of argon/xenon/neon gas) <sup>1</sup>	2.2	UN1956	N/A
Compressed gas, n.o.s. (mixture of krypton/neon gas) <sup>1</sup>	2.2	UN1956	N/A
Compressed gas, neon	2.2	UN1065	N/A
Tetrafluoromethane, CF <sub>4</sub>	2.2	UN1982	N/A
Compressed gas, flammable, n.o.s. (mixture of hydrogen, argon, helium and/or nitrogen) <sup>1</sup>	2.1	UN1954	N/A
Hydrogen, Compressed <sup>2</sup>	2.1	UN1049	N/A

<sup>1</sup> The gas mixture must have a dew point at or below minus 52°F at one atmosphere;

<sup>2</sup> Hydrogen and hydrogen embrittlement gas mixtures are not authorized for transportation in DOT 3T cylinders (tubes)

**July 3, 2012**

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packagings prescribed are DOT Specification 3A or 3AA cylinders, not exceeding 56.7 Kg (125 pounds) water capacity. The cylinders must be configured in bundles of up to 24 cylinders.

b. TESTING - Cylinders may be retested and reinspected every 10 years in accordance with § 180.205 using either the hydrostatic testing and visual inspection described in § 180.205 or by ultrasonic examination (UE) in accordance with existing DOT special permits applicable to DOT Specification 3A and 3AA cylinders. The 10 year requalification period applies only to cylinders that meet all requirements specified in § 180.209(b) except that the cylinders are not removed from bundles and hammer tested prior to each refill.

c. OPERATIONAL CONTROLS -

(1) Carbon dioxide in any concentration cannot be added to cylinders in the bundle.

(2) Gases that are toxic and/or corrosive cannot be added to cylinders in the bundle.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modification or change is made to the package or its contents and it is reoffered for transportation in conformance with this special permit and the HMR.

b. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

c. Each cylinder covered by this special permit must be plainly and durably marked "DOT-SP 14175" in proximity to existing DOT markings. Additionally one cylinder on each side of a bundle must be marked with letters at least 1 inch high on a contrasting background "DOT-SP 14175".

d. This special permit provides no relief from the quantity limitations in column 9A and 9B of the § 172.101, Hazardous Materials Table.

- e. Transportation of Division 2.1 (flammable gases) is not authorized aboard cargo vessel or aircraft unless specifically authorized in the Hazardous Materials Table (§ 172.101).
9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo vessel, cargo aircraft only.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel or aircraft used to transport packages covered by this special permit. The shipper must furnish a current copy of this special permit to the air carrier before or at the time the shipment is tendered.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
  - o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
  - o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) - 'The Hazardous Materials Safety and Security Reauthorization Act of 2005' (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous

**July 3, 2012**

materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for Dr. Magdy El-Sibaie  
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

PO: Toughiry